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$$\frac{-(CF_2-CF_2)_{X}(CF_2-CF)_{Y}}{(OCF_2-CF)_{Z}O(CF_2)_2SO_3H}$$
Nafion® membrane

Fig. 1

$$-(CF_2-CF_2)_{\overline{m}}(CF_2-CF_2)_{\overline{n}}$$

$$SO_3H$$

Fig. 2

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$$FO_{2}S-CF_{2}CF_{2}O+\frac{C_{F}CF_{2}O}{C}+CF_{2}CF_{2}+CF_{2}$$

$$-\frac{CF_{2}-CF_{2}}{C}+CF_{2}CF_{2}CF_{2}+CF_{2}CF_{2}+CF_{2}CF_{2}$$

$$-\frac{CF_{2}-CF_{2}}{C}+CF_{2}CF_{2}CF_{2}+CF_{2}CF_{2}+CF_{2}CF_{2}$$

$$-\frac{CF_{2}-CF_{2}}{C}+\frac{CF_{2}-CF_{2}}{C}+\frac{CF_{2}-CF_{2}}{C}+\frac{CF_{2}-CF_{2}}{C}+\frac{CF_{2}-CF_{2}}{C}+\frac{CF_{2}-CF_{2}}{C}+\frac{CF_{2}-CF_{2}}{C}+\frac{CF_{2}-CF_{2}}{C}+\frac{CF_{2}-CF_{2}}{C}+\frac{CF_{2}-CF_{2}-CF_{2}}{C}+\frac{CF_{2}-CF_{2}-CF_{2}-CF_{2}}{C}+\frac{CF_{2}-CF_{2$$

Fig. 3

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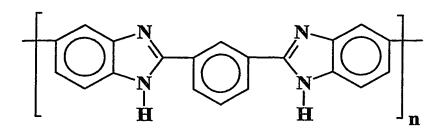


Fig. 4

$$-\left\{ \bigcirc -\stackrel{CH_3}{\longleftarrow} \bigcirc - \stackrel{O}{\longleftarrow} \bigcirc - \stackrel{O}{\bigcirc} -$$

Fig. 5

$$-(CH_2-CF_2)_{\underline{n}}$$

Fig. 6

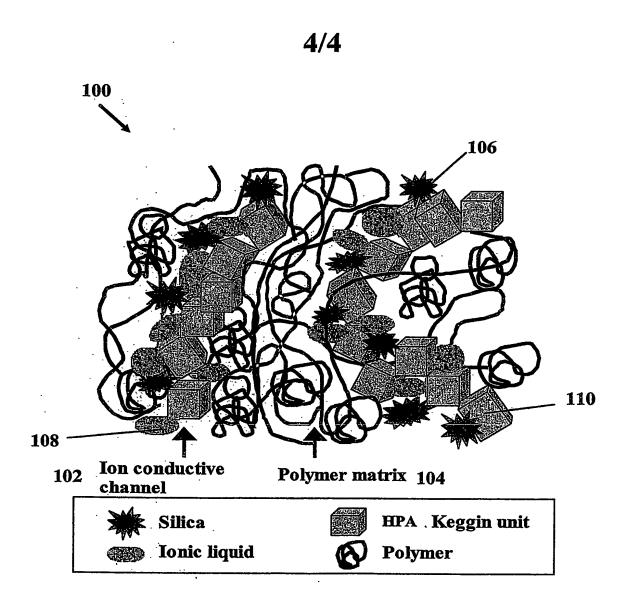


Fig. 7